

## MEMORANDUM

November 13, 1975WA 2917  
11-13-75  
POS A-14  
7aRCRA PERMIT  
ADMINISTRATIVE RECORD  
ITEM NUMBER \_\_\_\_\_  
TOTAL NUMBER OF PAGES \_\_\_\_\_

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TO Steam Plant File  
FROM Jim Rice, Terminal Superintendent Piers 90/91  
SUBJECT Meeting Notes, 11-13-75, 10:15 a.m.

In attendance: Messrs. Ron West, Carl Larsen, Chempro  
Messrs. Elwell, Buslee, McGerr, Smathers,  
Rice, Port of Seattle

Subject: Contamination of Steam Plant Hot Well

The subject meeting was held to seek a permanent solution to this problem. Refer also to letter of 10-30-75 to Chempro over signature of M. O. Benett.

The Port today issued a work request to permanently plug the overflow pipe from the hot well to the tank farm separator. This action will eliminate the possibility of a backup from the separator to the hot well.

Chempro agreed to install an additional pump and a high level alarm system on the tank farm separator.

Lee Elwell is advising the Port's boiler insurance carrier of these actions, which should eliminate the problem.

See also, attached lab report from Perolin Co., Inc., which reveals presence of oil, caused charred residue in boiler scale sample from #5 boiler.

/pl

cc: Messrs. Mohn, Benett, Dwyer, Christian, Elwell, Lansing,  
Ljunggren, McGerr w/attachment

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Mr. Bud McGerr  
PORT OF SEATTLE  
P. O. Box 1209 - Pier 91  
Seattle, Wash. 98111

Dear Mr. McGerr:

Our representative, Mr. John Fox, recently submitted a sample of boiler scale taken from the No. 5 water tube boiler which upon examination indicated 16 plugged tubes.

The mineral constituents contained in the sample were as follows:

Calcium and Magnesium Phosphate.....	15%
Calcium and Magnesium Silicate.....	60%
Calcium and Magnesium Carbonates.....	20%
Iron Oxide.....	4%
"Charred" Organics (Oil).....	1%

The charred residue referred to above closely resembled residues typically characteristic of fuel oil after undergoing changes in state due to high temperature.

Our representative reports that there have been periods of inadvertent oil spills in the vicinity of the condensate tank allowing for the possibility of oil contamination.

As you are aware, oil contamination in the boiler water causes regression of preferential effects of your boiler treatment program for the prevention of scale and corrosion.

In this regard, we highly recommend that you take the necessary steps to prevent future oil contamination.

As reported to you by Mr. Fox, it would be a good idea to acid clean the unit prior to a routing of the plugged tubes. In this regard we recommend application of PROMTO #871 on the basis of employing 12 carboys preferentially at a solution temperature of 130° F on an overnight or 8 hour soak method. *On order. S/L*

We understand that Mr. Fox will keep in close contact with you and be pleased to offer direct service.

If you have any further questions or if we may be of service in any other way, please do not hesitate to call upon us.

Very truly yours,

THE PEROLIN COMPANY, INC.

SJW/ds

cc: James G. Rice. \

S. J. Woznicki  
Chemist